IAP7 Rec'd PCTIPTO 03 APR 2006

FORM PTO-1390 (REV. 01-2003)

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US DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER 127589

٠ • غ <u>ر</u>	D	ANSMITTAL LETTER TO THE ESIGNATED/ELECTED OF ONCERNING A FILING UNI	U.S. APPLICATION NO. (If known, see 37 CFR 1.5) New U.S. National Stage of PCT/JP2004/014458						
INTERNATIONAL APPLICATION NO. PCT/JP2004/014458			INTERNATIONAL FILING DATE September 24, 2004	PRIORITY DATE CLAIMED October 1, 2003					
	TITLE OF INVENTION METHOD FOR PRESERVING ORGANIC POLYMERIC MATERIAL AND ORGANIC ELECTROLUMINESCENT DEVICE								
		TS FOR DO/EO/US HINOHARA; Yuji SHINOHARA; Ko	oichi TERAO						
Applic	cant h	nerewith submits to the United States	s Designated/Elected Office (DO/E	O/US) the following items and other information:					
1.	\boxtimes	This is a FIRST submission of item	s concerning a filing under 35 U.S.	C. 371.					
2.,		This is a SECOND or SUBSEQUE	NT submission of items concerning	ga filing under 35 U.S.C. 371.					
3.	\boxtimes	This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.							
4.	\boxtimes	The US has been elected (Article 31).							
5.	\boxtimes	A copy of the International Application	ion as filed (35 U.S.C. 371(c)(2))						
		a. 🛛 is attached hereto (required	only if not communicated by the In	ternational Bureau).					
		b. \square has been communicated by	the International Bureau.						
	ı	c. \square is not required, as the applic	oplication was filed in the United States Receiving Office (RO/US). of the International Application as filed (35 U.S.C. 371(c)(2))						
6.	\boxtimes	An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))							
		a. is attached hereto.							
		b. has been previously submitted	ed under 35 U.S.C. 154(d)(4).						
		c. The International Application	n was filed in English.						
7.		Amendments to the claims of the In	nternational Application under PCT	Article 19 (35 U.S.C. 371(c)(3))					
ı		a. are attached hereto (required only if not communicated by the International Bureau).							
,		b. have been communicated by the International Bureau.							
)		c. \square have not been made; however, the time limit for making such amendments has NOT expired.							
		d. have not been made and will	Il not be made.						
8.		An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).							
9.	\boxtimes	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).							
10.		An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).							
Items	11 to	o 20 below concern document(s) o	or information included:	•					
11.	\boxtimes	An Information Disclosure Stateme	nt under 37 CFR 1.97 and 1.98.						
12.	\boxtimes	An assignment document for record	ding. A separate cover sheet in co	mpliance with 37 CFR 3.28 and 3.31 is included.					
13.		A preliminary amendment.							
14.		An Application Data Sheet under 37	7 CFR 1.76.						
15.		A substitute specification.							
16.	\boxtimes	A power of attorney and/or change	of address letter.						
17.		A computer-readable form of the se	equence listing in accordance with	PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.					
18.		A second copy of the published inte	ernational application under 35 U.S	.C. 154(d)(4).					
19.		A second copy of the English langu	age translation of the international	application under 35 U.S.C. 154(d)(4).					
20.	\boxtimes	International Search Report; Submi	ission of Informal Comments.						

IAP15 Rec'd PCT/PTO 03 APR 2006

U.S. APPLICATION IS (if LEWIN New U.S. National Space of PCT/JP2004/014458	4539	ATTORNEY'S DOCKET NUMBER 127589								
21. The following fees				CALCULATIONS	PTO USE ONLY					
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BASIC NATIONAL FEE (37	CFR 1.492(a)):		\$ 300.00	\$300.00						
SEARCH FEE (37 CFR 1.49	\$400.00									
International preliminary exa the USPTO as IPEA or ISA industrial applicability for all national stage										
International search fee (37	CFR 1.445(a)(2)) pa									
International search report p the search fee is paid										
All situations not provided fo	r above		\$ 500.00							
EXAMINATION FEE (37 CF				\$200.00						
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International preliminary exa the USPTO as IPEA or ISA industrial applicability for all national stage	and favorable as to claims presented in	:								
All situations not provided for										
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TOTAL PAGES OF APPLICATION OVER 100 (- 100)	0 ÷ 50	= †0	x 250 =	\$ 0						
†round up to next integer	•									
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$						
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INDEPENDENT CLAIMS	1 - 3	= 0	x 200.00 =	\$0						
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Fee for recording the enclos	\$									
accompanied by an appropr				Ψ						
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				Amount to be						
				refunded:	\$					
				charged:	\$					
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	Deposit Account No. 15-0461. A duplicate copy of this sheet is enclosed.									
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.										
must be filed and	I granted to restore	der 37 CFR 1.495 has the application to pe	not been met, a peti ending status.	fon to revive (37 CF	R 1.137(a) or (b))					
SEND ALL CORRESPONDENCE TO:										
OLIFF & BERRIDGE, PLC										
Customer Number	: 25944		NAME: /Jame REGIS RATIO	S A: QUIT ON NUMBER: 27,0	75					
Date <u>April 3, 2006</u>		S. Armstrong ON NUMBER: 36,4	30							

JAP15 Rec'd PCT/PTO 03 APR 2006 PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Takashi SHINOHARA et al.

Attn: PCT Branch

Application No. New U.S. National Stage of PCT/JP2004/014458

Filed: April 3, 2006

Docket No.: 127589

For:

METHOD FOR PRESERVING ORGANIC POLYMERIC MATERIAL AND

ORGANIC ELECTROLUMINESCENT DEVICE

SUBMISSION OF INFORMAL COMMENTS IN RESPONSE TO PCT WRITTEN OPINION

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Attached hereto is a copy of Informal Comments in Response to PCT Written Opinion that were filed in the PCT application.

Respectfully submitted,

James A. Oliff

Registration No. 27,075

Joel S. Armstrong

Registration No. 36,430

JAO:JSA/per

Date: April 3, 2006

OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, Virginia 22320 Telephone: (703) 836-6400 DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461

PCT/PTO 03 APR 2006 10/574539

PATENT & TRADEMARK ATTORNEYS

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March 17, 2006

PCT Operations Division The International Bureau of WIPO 34 Chemin des Colombettes 1211 Geneva 20 Switzerland

<u>Informal Comments</u>

International Application No.: PCT/JP2004/014458

International Filing Date: 24.9.2004

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Telephone No.: 03-3595-3251

Applicant's or Agent's File reference: EPS-54-PCT

Dear Sir:

The Applicant, who received the International Search Report relating to the above-identified International Application, files Informal Comment attached hereto.

Very truly yours,

Attachment:

(1) Informal Comments

2 sheets

(2) BAYTRON "Product Information"

2 sheets

Applicant's Comments on an Informal Basis on the Written Opinion of the International Searching Authority

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With regard to the written opinion of the International Searching Authority in the separate sheet, we would ask to consider the following points.

(1) In the written opinion, the Examiner says that "The product information of Baytron P reports that Baytron P comprises 0. 9wt% of organic acid and have a pH up to 2.5 at room temperature." (We suppose that this recognition is made based on the characteristics "pH value: 1,5 to 2.5 at 20°C" and "PSS content: approximately 0.9% by weight" in the front page of the Product Information.) Further, the Examiner also says that that "Example 1 of this application reports that the product Baytron P was dispersed in pure water so that the concentration thereof might be 2wt%. Based on this understanding, the Examiner recognizes that "As remarked above the concentration of organic acid polymer in Baytron P is already lower than 2 wt%. Thus dilution of organic acid in water is far away from providing a concentration of organic acid as required in claim 1 of the present application."

However, there are several types of Baytron P, and the Baytron P which is used in Example 1 is a product named "Baytron P VP CH8000". This fact is apparent from the description "It should be noted that the pH (at 25°C) of the dispersion liquid was 1.2." (see the second paragraph of page 27 of this application). As shown in the attached sheets (Product Information of Baytron P), in the case of Baytron P VP CH 8000, the solid content by weight is in the range of 2.5 to 3 wt% and pH at 20°C is in the range of 1.2 to 1.8 (see Table of page 2 of 2). Therefore, when Baytron P VP CH 8000 is used, that is, in the case of Example 1 of this application, the concentration of organic acid polymer (organic polymeric material of the present invention) can be lowered to 2 wt% without any problem. Therefore, we believe that there is no problem in dispersing Bsytron P VP CH800 so that the concentration thereof becomes 2 wt% while the pH of the dispersion liquid is 1.2. Therefore, we believe that the Examiner's opinion mentioned above is not correct.

(2) Further, in the item 1.3 of the written opinion, the Examiner says that there is a discrepancy between the descriptions of Example 2 and Claim 1 because Example 2 reports that "prior to the manufacture of the organic EL device, each of the dispersion liquid which had been preserved was concentrated so that the amount of PEDT/PSS

contained in the liquid was 2 wt%", which means that the concentration of the composition during preservation was lower than 2 %wt, whereas Claim 1 requires that the concentration of organic acid was 2 %wt.

In this regard, however, please note that Claim 1 does not define the value of the concentration of the composition during the preservation. Claim 1 merely defines that a pH (at 25°C) of the liquid which has been obtained by dissolving or dispersing the organic polymeric material in liquid so that a concentration thereof is 2 wt% is measured, and then the organic polymeric material is adjusted for preservation so that a pH (at 25°C) during the preservation becomes higher than the measured pH (at 25°C) and then the organic polymeric material be preserved at the higher pH value condition. Namely, the composition (organic polymeric material) is not preserved in a state that the concentration thereof is 2 wt%, but preserved at the higher pH value which is higher than the measured pH value. The concentration of the composition has to be 2 %wt when a pH is measured, but it does not have to be 2 %wt during the preservation. Therefore, the concentration of the composition during preservation can be lower than 2 %wt.

However, in order to avoid such a confusion, claim 1 may be amended so as to be read as follows.

"characterized in that when the organic polymeric material is to be preserved, the organic polymeric material is dissolved or discharged in the liquid so that a concentration thereof is 2 wt% and at that time a pH (at 25°C) of the thus obtained liquid is measured, and them the obtained liquid is adjusted so that its pH value becomes higher than the measure pH (at 25°C), and then the liquid be preserved under the higher pH value condition."